

JOURNAL OF Experimental Child Psychology

EDITOR

Hayne W. Reese

ASSOCIATE EDITOR

Lynn S. Liben

EDITORIAL BOARD

Linda Baker

John M. Belmont

Bennett I. Bertenthal

David F. Bjorklund

Michael J. Chandler

Karen C. Fuson

David Goldstein

Aletha C. Huston

Robert V. Kail

Paul H. Light

Robert B. McCall

Nora S. Newcombe

Willis F. Overton

David S. Palermo

Alexander W. Siegel

Keith E. Stanovich

Thomas J. Tighe

Rebecca Treiman

Volume 46, 1988

ACADEMIC PRESS, INC.

Harcourt Brace Jovanovich, Publishers

San Diego New York Boston
London Sydney Tokyo Toronto



Copyright © 1988 by Academic Press, Inc.
ALL RIGHTS RESERVED

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy recording, or any information storage and retrieval system, without permission in writing from the copyright owner.

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use, or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc. (27 Congress Street, Salem, Massachusetts 01970), for copying beyond that permitted by Sections 107 or 108 of the U. S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Copy fees for pre-1988 articles are as shown on the article title pages; if no fee code appears on the title page, the copy fee is the same as for current articles.

0022-0965/88 \$3.00

MADE IN THE UNITED STATES OF AMERICA

Contents of Volume 46

NUMBER 1, AUGUST 1988

JUDY S. DELOACHE AND CHRISTINE M. TODD. Young Children's Use of Spatial Categorization as a Mnemonic Strategy	1
RIVKA ITSKOWITZ, HANANYAH GLAUBMAN, AND MICHAEL HOFFMAN. The Impact of Age and Artistic Inclination on the Use of Articulation and Line Quality in Similarity and Preference Judgments	21
DENISE DAVIDSON AND JUDITH HUDSON. The Effects of Decision Reversibility and Decision Importance on Children's Decision Making	35
SERGIO MORRA, CARLA MOIZO, AND ALDA SCOPESI. Working Memory (or the M Operator) and the Planning of Children's Drawings	41
IRWIN W. SILVERMAN AND SABRA LEE PASKEWITZ. Developmental and Individual Differences in Children's Area Judgment Rules.....	74
MARY DOZIER AND CLIFFORD BUTZIN. Cognitive Requirements of Ulterior Motive Information Usage: Individual Child Analyses.....	88
BRIAN P. ACKERMAN AND SUZANNE FREEDMAN. The Relation between Conceptual Elaboration and Retrieval Access to Episodic Information in Memory for Children and Adults	100
ANNE L. DEAN AND JOANN R. FRANKHOUSER. Way-Stations in the Development of Children's Proportionality Concepts: The Stage Issue Revisited	129
CHUANSHENG CHEN AND HAROLD W. STEVENSON. Cross-Linguistic Differences in Digit Span of Preschool Children	150

NUMBER 2, OCTOBER 1988

JUDITH A. HUDSON. Children's Memory for Atypical Actions in Script-Based Stories: Evidence for a Disruption Effect	159
VICTORIA S. EVERHART AND MARC MARSCHARK. Linguistic Flexibility in Signed and Written Language Productions of Deaf Children	174

JAMES P. BYRNES AND WILLIS F. OVERTON. Reasoning about Logical Connectives: A Developmental Analysis	194
BRIAN P. ACKERMAN AND SUZANNE FREEDMAN. In Search of Retrieval Search in Children and Adults	219
BRIAN P. ACKERMAN AND SUZANNE FREEDMAN. Memorable Holidays and Planetary Lapses: Access, Stimulus Constraint, and Knowledge Base Problems in the Retrieval Search of Children and Adults	247
SANDRA E. TREHUB, BRUCE A. SCHNEIDER, BARBARA A. MORRONGIELLO, AND LEIGH A. THORPE. Auditory Sensitivity in School-Age Children	273

NUMBER 3, DECEMBER 1988

SPECIAL ISSUE: DEVELOPMENTAL BEHAVIOR ANALYSIS

HAYNE W. REESE. Editor's Note	287
DONALD M. BAER. Guest Editor's Note	287
EDWARD K. MORRIS. Contextualism: The World View of Behavior Analysis	289
CLAIRE L. POULSON AND EFFIE KYMISSIS. Generalized Imitation in Infants	324
PAUL M. SMEETS, GIULIO E. LANCIONI, AND SEBASTIAN STRIEFEL. Time-Delay Discrimination Training with Static and Dynamic Cues	337
HIKARU DEGUCHI, TSUTOMU FUJITA, AND MASAYA SATO. Reinforcement Control of Observational Learning in Young Children: A Behavioral Analysis of Modeling	362
BARRY S. PARSONSON AND KATHLEEN A. NAUGHTON. Training Generalized Conservation in 5-Year-Old Children	372
ETTORE CARACCILO, PAOLO MODERATO, AND SILVIA PERINI. Analysis of Some Concrete-Operational Tasks from an Interbehavioral Standpoint	391
SUZANNE SANTARCANGELO AND KATHLEEN DYER. Prosodic Aspects of Motherese: Effects on Gaze and Responsiveness in Developmentally Disabled Children	406

GLEN G. FJELLSTROM, DAVID BORN, AND DONALD M. BAER. Some Effects of Telling Preschool Children to Self-Question in a Matching Task 419

CLAIRE L. POULSON AND LEILA R. P. NUNES. The Infant Vocal-Conditioning Literature: A Theoretical and Methodological Critique 438

AUTHOR INDEX FOR VOLUME 46 451

CUMULATIVE SUBJECT INDEX FOR VOLUMES 45-46 452



Digitized by the Internet Archive
in 2023

INFORMATION FOR AUTHORS

The *Journal of Experimental Child Psychology* is devoted primarily to reports of significant empirical research concerned with expanding our psychological knowledge of the child. Other kinds of manuscripts, including critical reviews, theoretical contributions, and short notes on methodological issues and innovative apparatus, will also be considered but will be reviewed with particular focus upon their value as stimulants to research of substantial importance in the field of child psychology. Manuscripts concerning special populations of children should address normal developmental processes as well as providing data on special populations. In all cases, the review of manuscripts is based on methodological adequacy, evidence of replicability of results, theoretical import, and clarity of presentation. Reports of multiple experiments focused on a problem of theoretical interest are encouraged. There is no page charge for publication. If authors choose, they may delete their names and other identifying information from two copies of manuscripts submitted and these copies will be used for review. Original papers only will be considered. Manuscripts are accepted for review with the understanding that the same work has not been and will not be nor is presently submitted elsewhere, and that its submission for publication has been approved by all of the authors and by the institution where the work was carried out; further, that any person cited as a source of personal communications has approved such citation. Written authorization may be required at the Editor's discretion. Articles and any other material published in the *Journal of Experimental Child Psychology* represent the opinions of the author(s) and should not be construed to reflect the opinions of the Editor(s) and the Publisher.

Authors submitting a manuscript do so on the understanding that if it is accepted for publication, copyright in the article, including the right to reproduce the article in all forms and media, shall be assigned exclusively to the Publisher. The Publisher will not refuse any reasonable request by the author for permission to reproduce any of their contributions to the journal.

Four copies of each manuscript and each figure or table should be sent to **Dr. Hayne W. Reese, Department of Psychology, West Virginia University, Box 6040, Morgantown, West Virginia 26506-6040.**

A fifth copy should be retained by the author. Manuscripts must be double-spaced throughout. Reproduced copies of the manuscript will be accepted only if they are of high quality. Each manuscript must include a concise abstract, preferably not exceeding 100–150 words, which will appear after the title and author's name in the published article. In most papers this abstract will obviate the need for a summary. Authors are requested to follow the specifications of the *Publication Manual of the American Psychological Association* (3rd ed.), including the *Guidelines for Nonsexist Language in APA Journals*, in preparing their manuscripts.

Figures and Tables. Figures should be numbered consecutively with Arabic numerals in order of mention in the text; each figure should have a descriptive legend. Legends should be typed together on a separate sheet, double-spaced. All illustrations should be in finished form ready for reproduction. A convenient size for drawings is $8\frac{1}{2} \times 11$ inches (21×27.5 cm). Drawings should be made with India ink on tracing linen, smooth surface white paper, or bristol board. Graph paper if used should be ruled in blue. Grid lines that are to show in the final reproduction should be inked in black. Sharp, clear glossy prints of figures are acceptable. Illustrations in color can be accepted only if the authors defray the cost.

Tables should be typed on separate pages, numbered consecutively with Arabic numerals in order of mention in the text. All tables should have descriptive headings, typed (double-spaced) above the table.

Literature references in the text should be cited by author's surname and the year of publication, e.g., Smith (1980); Smith et al. (1979); Smith and Jones (1961, p. 250) (for references to a specific page); (Smith & Jones, 1982) (ampersand for references in parentheses). If a reference has more than two authors, the citation includes the surnames of all authors at the first mention, but later citations of the same reference include only the surname of

the first author and the abbreviation "et al." Suffixes *a*, *b*, etc., should be used following the date to distinguish two or more works by the same author(s) in the same year, e.g., Smith (1960a, 1960b). Parenthetical literature citations in the text should be arranged alphabetically according to the surname of the author.

Journal titles should be written out in full according to the form followed in the *Psychological Abstracts*.

The desired style of capitalization and punctuation in references is apparent in the following examples:

American Psychological Association (1983). *Publication manual of the American Psychological Association* (3rd ed.). Washington, DC: Author.

Brim, O. G., Jr., & Ryff, C. D. (1980). On the properties of life events. In P. B. Baltes & O. G. Brim, Jr. (Eds.), *Life-span development and behavior* (Vol. 3, pp. 367-388). New York: Academic Press.

Cousins, J. H., Siegel, A. W., & Maxwell, S. E. (1983). Way finding and cognitive mapping in large-scale environments: A test of a developmental hypothesis. *Journal of Experimental Child Psychology*, **35**, 1-20.

Reprints: Fifty gratis reprints of each article are supplied and additional copies may be ordered.